

Department of Aeronautics and Astronautics Naval Postgraduate School

Faculty Vita

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Education:

Ph.D. University of Maryland, 1976
ME (Aerospace Engineering with distinction), Indian Institute of Science, Bangalore, India, 1965
BEME University of Mysore, India, 1963

Related Experience (Teaching, Industrial, etc.):

Associate Professor, Department of Aerospace Engineering, Tuskegee University, Tuskegee, Alabama, 1985-1987
Senior NRC-NASA Research Associate, Ames Research Center, Moffett Field, California, 1983-1985
Scientist/Asst. Director, Aero/Propulsion Divisions, National Aerospace Laboratories, Bangalore, India, 1965-1983
Research Associate, Department of Aerospace Engineering, University of Maryland, College Park, Maryland, 1976-1976
German Academic Exchange Service (DAAD) Scholar, Technical University, Braunschweig, Germany, 1966-1967

Institutional and Professional Service (Last 5 Years):

Reviewer, AIAA Journal, 1995-1999
Reviewer, AIAA Journal of Aircraft, 1995-1999

Honors and Awards:

NPS (Federal) Length of Service Award, 2000.
Who's Who in Science and Engineering, 4th edition, Marquis Who's Who, New Providence, New Jersey, 1998-1999.
NPS Outstanding Research Achievement Award, 1994.
NASA Group Achievement Award, 1993.
NASA Technical Brief Award and the Innovator Certificate, 1991.
Most Outstanding Aerospace Engineering Professor Award, Tuskegee University, 1987.

Scientific and Professional Society Membership:

American Institute of Aeronautics and Astronautics, Associate Fellow
American Society of Mechanical Engineers

Principal Publications (Last 5 Years):

- Hebbar, S.K., Platzer, M.F., and Fritzelas, A.E., "Reynolds Number Effects on the Vortical-Flow Structure Generated by a Double-Delta Wing," *Experiments in Fluids*, vol. 28, no. 3, March, 2000, pp. 206-216.
- Hebbar, S.K., Platzer, M.F., and Kristy, M.H., "Subscale Studies of Strut and Wall Influence on the Ground-Plane Flow of a Hovering STOVL Aircraft," Preprint AIAA-99-3221, *Proceedings AIAA 17th Applied Aerodynamics Conference*, Norfolk, Virginia, June 28-July 1, 1999.
- Hebbar, S.K., Platzer, M.F., and Chang, W.H., "Control of High-Incidence Vortical Flow on Double-Delta Wings Undergoing Sideslip," *Journal of Aircraft*, vol. 34, no. 4, July-August 1997, pp. 506-513.
- Hebbar, S.K., Platzer, M.F., and Alkhozam, A.M., "Experimental Study of Vortex Flow Control on Double-Delta Wings Using Fillets," *Journal of Aircraft*, vol. 33, no. 4, July-August 1996, pp. 743-751.
- Hebbar, S.K., Platzer, M.F., and Liu, D.M., "Effect of Canard Oscillation on an X-31A-Like Model in Pitching Maneuver," *Journal of Aircraft*, vol. 32, no. 5, September-October 1995, pp. 1157-1160.
- Hebbar, S.K., Platzer, M.F., Smith, E.H., and Salazar, M.E., "High-Angle-of-Attack Wind-Tunnel Investigation of a Multimission Vehicle," *Journal of Spacecraft and Rockets*, vol. 32, no. 4, July-August 1995, pp. 734-736.
- Hebbar, S.K., Platzer, M.F., and Frink Jr., W.D., "Effect of Leading-Edge Extension Fences on the Vortex Wake of an F/A-18 Model," *Journal of Aircraft*, vol. 32, no. 3, May-June 1995, pp. 680-682.
- Hebbar, S.K., Platzer, M. F., and Dooley, W., "Ground-Effect Studies on a STOVL Aircraft in Hover," *Proceedings 6th Asian Congress of Fluid Mechanics*, vol. 1, Singapore, May 1995, pp. 194-197.